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OIPE

RAW SEQUENCE LISTING

DATE: 04/27/2001

PATENT APPLICATION: US/09/834,309

TIME: 12:59:18

Input Set : A:\es.txt

Output Set: N:\CRF3\04272001\I834309.raw

3 <110> APPLICANT: Chen, Xiaojiang
 4 Holers, V. Michael
 6 <120> TITLE OF INVENTION: THREE-DIMENSIONAL STRUCTURE OF COMPLEMENT RECEPTOR TYPE 2
 AND USES

7 THEREOF

9 <130> FILE REFERENCE: 2848-43

C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/834,309

C--> 11 <141> CURRENT FILING DATE: 2001-04-11

11 <160> NUMBER OF SEQ ID NOS: 9

13 <170> SOFTWARE: PatentIn version 3.0

15 <210> SEQ ID NO: 1

16 <211> LENGTH: 1033

17 <212> TYPE: PRT

18 <213> ORGANISM: Homo sapiens

20 <400> SEQUENCE: 1

22 Met Gly Ala Ala Gly Leu Leu Gly Val Phe Leu Ala Leu Val Ala Pro

23 1 5 10 15

25 Gly Val Leu Gly Ile Ser Cys Gly Ser Pro Pro Pro Ile Leu Asn Gly

26 20 25 30

28 Arg Ile Ser Tyr Tyr Ser Thr Pro Ile Ala Val Gly Thr Val Ile Arg

29 35 40 45

31 Tyr Ser Cys Ser Gly Thr Phe Arg Leu Ile Gly Glu Lys Ser Leu Leu

32 50 55 60

34 Cys Ile Thr Lys Asp Lys Val Asp Gly Thr Trp Asp Lys Pro Ala Pro

35 65 70 75 80

37 Lys Cys Glu Tyr Phe Asn Lys Tyr Ser Ser Cys Pro Glu Pro Ile Val

38 85 90 95

40 Pro Gly Gly Tyr Lys Ile Arg Gly Ser Thr Pro Tyr Arg His Gly Asp

41 100 105 110

43 Ser Val Thr Phe Ala Cys Lys Thr Asn Phe Ser Met Asn Gly Asn Lys

44 115 120 125

46 Ser Val Trp Cys Gln Ala Asn Asn Met Trp Gly Pro Thr Arg Leu Pro

47 130 135 140

49 Thr Cys Val Ser Val Phe Pro Leu Glu Cys Pro Ala Leu Pro Met Ile

50 145 150 155 160

52 His Asn Gly His His Thr Ser Glu Asn Val Gly Ser Ile Ala Pro Gly

53 165 170 175

55 Leu Ser Val Thr Tyr Ser Cys Glu Ser Gly Tyr Leu Leu Val Gly Glu

56 180 185 190

58 Lys Ile Ile Asn Cys Leu Ser Ser Gly Lys Trp Ser Ala Val Pro Pro

59 195 200 205

61 Thr Cys Glu Glu Ala Arg Cys Lys Ser Leu Gly Arg Phe Pro Asn Gly

62 210 215 220

64 Lys Val Lys Glu Pro Pro Ile Leu Arg Val Gly Val Thr Ala Asn Phe

65 225 230 235 240

67 Phe Cys Asp Glu Gly Tyr Arg Leu Gln Gly Pro Pro Ser Ser Arg Cys

68 245 250 255

70 Val Ile Ala Gly Gln Gly Val Ala Trp Thr Lys Met Pro Val Cys Glu

ENTERED

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71          260          265          270
73 Glu Ile Phe Cys Pro Ser Pro Pro Ile Leu Asn Gly Arg His Ile
74          275          280          285
76 Gly Asn Ser Leu Ala Asn Val Ser Tyr Gly Ser Ile Val Thr Tyr Thr
77          290          295          300
79 Cys Asp Pro Asp Pro Glu Glu Gly Val Asn Phe Ile Leu Ile Gly Glu
80 305          310          315          320
82 Ser Thr Leu Arg Cys Thr Val Asp Ser Gln Lys Thr Gly Thr Trp Ser
83          325          330          335
85 Gly Pro Ala Pro Arg Cys Glu Leu Ser Thr Ser Ala Val Gln Cys Pro
86          340          345          350
88 His Pro Gln Ile Leu Arg Gly Arg Met Val Ser Gly Gln Lys Asp Arg
89          355          360          365
91 Tyr Thr Tyr Asn Asp Thr Val Ile Phe Ala Cys Met Phe Gly Phe Thr
92          370          375          380
94 Leu Lys Gly Ser Lys Gln Ile Arg Cys Asn Ala Gln Gly Thr Trp Glu
95 385          390          395          400
97 Pro Ser Ala Pro Val Cys Glu Lys Glu Cys Gln Ala Pro Pro Asn Ile
98          405          410          415
100 Leu Asn Gly Gln Lys Glu Asp Arg His Met Val Arg Phe Asp Pro Gly
101          420          425          430
103 Thr Ser Ile Lys Tyr Ser Cys Asn Pro Gly Tyr Val Leu Val Gly Glu
104          435          440          445
106 Glu Ser Ile Gln Cys Thr Ser Glu Gly Val Trp Thr Pro Pro Val Pro
107          450          455          460
109 Gln Cys Lys Val Ala Ala Cys Glu Ala Thr Gly Arg Gln Leu Leu Thr
110 465          470          475          480
112 Lys Pro Gln His Gln Phe Val Arg Pro Asp Val Asn Ser Ser Cys Gly
113          485          490          495
115 Glu Gly Tyr Lys Leu Ser Gly Ser Val Tyr Gln Glu Cys Gln Gly Thr
116          500          505          510
118 Ile Pro Trp Phe Met Glu Ile Arg Leu Cys Lys Glu Ile Thr Cys Pro
119          515          520          525
121 Pro Pro Pro Val Ile Tyr Asn Gly Ala His Thr Gly Ser Ser Leu Glu
122          530          535          540
124 Asp Phe Pro Tyr Gly Thr Thr Val Thr Tyr Thr Cys Asn Pro Gly Pro
125 545          550          555          560
127 Glu Arg Gly Val Glu Phe Ser Leu Ile Gly Glu Ser Thr Ile Arg Cys
128          565          570          575
130 Thr Ser Asn Asp Gln Glu Arg Gly Thr Trp Ser Gly Pro Ala Pro Leu
131          580          585          590
133 Cys Lys Leu Ser Leu Leu Ala Val Gln Cys Ser His Val His Ile Ala
134          595          600          605
136 Asn Gly Tyr Lys Ile Ser Gly Lys Glu Ala Pro Tyr Phe Tyr Asn Asp
137          610          615          620
139 Thr Val Thr Phe Lys Cys Tyr Ser Gly Phe Thr Leu Lys Gly Ser Ser
140 625          630          635          640
142 Gln Ile Arg Cys Lys Ala Asp Asn Thr Trp Asp Pro Glu Ile Pro Val
143          645          650          655

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145 Cys Glu Lys Glu Thr Cys Gln His Val Arg Gln Ser Leu Gln Glu Leu
146          660          665          670
148 Pro Ala Gly Ser Arg Val Glu Leu Val Asn Thr Ser Cys Gln Asp Gly
149          675          680          685
151 Tyr Gln Leu Thr Gly His Ala Tyr Gln Met Cys Gln Asp Ala Glu Asn
152          690          695          700
154 Gly Ile Trp Phe Lys Lys Ile Pro Leu Cys Lys Val Ile His Cys His
155 705          710          715          720
157 Pro Pro Pro Val Ile Val Asn Gly Lys His Thr Gly Met Met Ala Glu
158          725          730          735
160 Asn Phe Leu Tyr Gly Asn Glu Val Ser Tyr Glu Cys Asp Gln Gly Phe
161          740          745          750
163 Tyr Leu Leu Gly Glu Lys Lys Leu Gln Cys Arg Ser Asp Ser Lys Gly
164          755          760          765
166 His Gly Ser Trp Ser Gly Pro Ser Pro Gln Cys Leu Arg Ser Pro Pro
167          770          775          780
169 Val Thr Arg Cys Pro Asn Pro Glu Val Lys His Gly Tyr Lys Leu Asn
170 785          790          795          800
172 Lys Thr His Ser Ala Tyr Ser His Asn Asp Ile Val Tyr Val Asp Cys
173          805          810          815
175 Asn Pro Gly Phe Ile Met Asn Gly Ser Arg Val Ile Arg Cys His Thr
176          820          825          830
178 Asp Asn Thr Trp Val Pro Gly Val Pro Thr Cys Met Lys Lys Ala Phe
179          835          840          845
181 Ile Gly Cys Pro Pro Pro Pro Lys Thr Pro Asn Gly Asn His Thr Gly
182          850          855          860
184 Gly Asn Ile Ala Arg Phe Ser Pro Gly Met Ser Ile Leu Tyr Ser Cys
185 865          870          875          880
187 Asp Gln Gly Tyr Leu Leu Val Gly Glu Ala Leu Leu Leu Cys Thr His
188          885          890          895
190 Glu Gly Thr Trp Ser Gln Pro Ala Pro His Cys Lys Glu Val Asn Cys
191          900          905          910
193 Ser Ser Pro Ala Asp Met Asp Gly Ile Gln Lys Gly Leu Glu Pro Arg
194          915          920          925
196 Lys Met Tyr Gln Tyr Gly Ala Val Val Thr Leu Glu Cys Glu Asp Gly
197          930          935          940
199 Tyr Met Leu Glu Gly Ser Pro Gln Ser Gln Cys Gln Ser Asp His Gln
200 945          950          955          960
202 Trp Asn Pro Pro Leu Ala Val Cys Arg Ser Arg Ser Leu Ala Pro Val
203          965          970          975
205 Leu Cys Gly Ile Ala Ala Gly Leu Ile Leu Leu Thr Phe Leu Ile Val
206          980          985          990
208 Ile Thr Leu Tyr Val Ile Ser Lys His Arg Glu Arg Asn Tyr Tyr Thr
209          995          1000          1005
211 Asp Thr Ser Gln Lys Glu Ala Phe His Leu Glu Ala Arg Glu Val
212          1010          1015          1020
214 Tyr Ser Val Asp Pro Tyr Asn Pro Ala Ser
215          1025          1030
217 <210> SEQ ID NO: 2

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RAW SEQUENCE LISTING

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218 <211> LENGTH: 60
219 <212> TYPE: PRT
220 <213> ORGANISM: Homo sapiens
222 <400> SEQUENCE: 2
224 Cys Gly Ser Pro Pro Pro Ile Leu Asn Gly Arg Ile Ser Tyr Tyr Ser
225 1 5 10 15
227 Thr Pro Ile Ala Val Gly Thr Val Ile Arg Tyr Ser Cys Ser Gly Thr
228 20 25 30
230 Phe Arg Leu Ile Gly Glu Lys Ser Leu Leu Cys Ile Thr Lys Asp Lys
231 35 40 45
233 Val Asp Gly Thr Trp Asp Lys Pro Ala Pro Lys Cys
234 50 55 60
236 <210> SEQ ID NO: 3
237 <211> LENGTH: 56
238 <212> TYPE: PRT
239 <213> ORGANISM: Homo sapiens
241 <400> SEQUENCE: 3
243 Cys Pro Glu Pro Ile Val Pro Gly Gly Tyr Lys Ile Arg Gly Ser Thr
244 1 5 10 15
246 Pro Tyr Arg His Gly Asp Ser Val Thr Phe Ala Cys Lys Thr Asn Phe
247 20 25 30
249 Ser Met Asn Gly Asn Lys Ser Val Trp Cys Gln Ala Asn Asn Met Trp
250 35 40 45
252 Gly Pro Thr Arg Leu Pro Thr Cys
253 50 55
255 <210> SEQ ID NO: 4
256 <211> LENGTH: 134
257 <212> TYPE: PRT
258 <213> ORGANISM: Homo sapiens
260 <400> SEQUENCE: 4
262 Gly Ile Ser Cys Gly Ser Pro Pro Pro Ile Leu Asn Gly Arg Ile Ser
263 1 5 10 15
265 Tyr Tyr Ser Thr Pro Ile Ala Val Gly Thr Val Ile Arg Tyr Ser Cys
266 20 25 30
268 Ser Gly Thr Phe Arg Leu Ile Gly Glu Lys Ser Leu Leu Cys Ile Thr
269 35 40 45
271 Lys Asp Lys Val Asp Gly Thr Trp Asp Lys Pro Ala Pro Lys Cys Glu
272 50 55 60
274 Tyr Phe Asn Lys Tyr Ser Cys Pro Glu Pro Ile Val Pro Gly Gly
275 65 70 75 80
277 Tyr Lys Ile Arg Gly Ser Thr Pro Tyr Arg His Gly Asp Ser Val Thr
278 85 90 95
280 Phe Ala Cys Lys Thr Asn Phe Ser Met Asn Gly Asn Lys Ser Val Trp
281 100 105 110
283 Cys Gln Ala Asn Asn Met Trp Gly Pro Thr Arg Leu Pro Thr Cys Val
284 115 120 125
286 Ser Val Phe Pro Leu Glu
287 130
289 <210> SEQ ID NO: 5

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RAW SEQUENCE LISTING

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Output Set: N:\CRF3\04272001\I834309.raw

290 <211> LENGTH: 1025

291 <212> TYPE: PRI

292 <213> ORGANISM: Mus musculus

294 <400> SEQUENCE: 5

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296 Met Leu Thr Trp Phe Leu Phe Tyr Phe Ser Glu Ile Ser Cys Asp Pro
297 1 5 10 15
299 Pro Pro Glu Val Lys Asn Ala Arg Lys Pro Tyr Tyr Ser Leu Pro Ile
300 20 25 30
302 Val Pro Gly Thr Val Leu Arg Tyr Thr Cys Ser Pro Ser Tyr Arg Leu
303 35 40 45
305 Ile Gly Glu Lys Ala Ile Phe Cys Ile Ser Glu Asn Gln Val His Ala
306 50 55 60
308 Thr Trp Asp Lys Ala Pro Ile Cys Glu Ser Val Asn Lys Thr Ile
309 65 70 75 80
311 Ser Cys Ser Asp Pro Ile Val Pro Gly Gly Phe Met Asn Lys Gly Ser
312 85 90 95
314 Lys Ala Pro Phe Arg His Gly Asp Ser Val Thr Phe Thr Cys Lys Ala
315 100 105 110
317 Asn Phe Thr Met Lys Gly Ser Lys Thr Val Trp Cys Gln Ala Asn Glu
318 115 120 125
320 Met Trp Gly Pro Thr Ala Leu Pro Val Cys Glu Ser Asp Phe Pro Leu
321 130 135 140
323 Glu Cys Pro Ser Leu Pro Thr Ile His Asn Gly His His Thr Gly Gln
324 145 150 155 160
326 His Val Asp Gln Phe Val Ala Gly Leu Ser Val Thr Tyr Ser Cys Glu
327 165 170 175
329 Pro Gly Tyr Leu Leu Thr Gly Lys Lys Thr Ile Lys Cys Leu Ser Ser
330 180 185 190
332 Gly Asp Trp Asp Gly Val Ile Pro Thr Cys Lys Glu Ala Gln Cys Glu
333 195 200 205
335 His Pro Gly Lys Phe Pro Asn Gly Gln Val Lys Glu Pro Leu Ser Leu
336 210 215 220
338 Gln Val Gly Thr Thr Val Tyr Phe Ser Cys Asn Glu Gly Tyr Gln Leu
339 225 230 235 240
341 Gln Gly Gln Pro Ser Ser Gln Cys Val Ile Val Glu Gln Lys Ala Ile
342 245 250 255
344 Trp Thr Lys Lys Pro Val Cys Lys Glu Ile Leu Cys Pro Pro Pro Pro
345 260 265 270
347 Pro Val Arg Asn Gly Ser His Thr Gly Ser Phe Ser Glu Asn Val Pro
348 275 280 285
350 Tyr Gly Ser Thr Val Thr Tyr Thr Cys Asp Pro Ser Pro Glu Lys Gly
351 290 295 300
353 Val Ser Phe Thr Leu Ile Gly Glu Lys Thr Ile Asn Cys Thr Thr Gly
354 305 310 315 320
356 Ser Gln Lys Thr Gly Ile Trp Ser Gly Pro Ala Pro Tyr Cys Val Leu
357 325 330 335
359 Ser Thr Ser Ala Val Leu Cys Leu Gln Pro Lys Ile Lys Arg Gly Gln
360 340 345 350
362 Ile Leu Ser Ile Leu Lys Asp Ser Tyr Ser Tyr Asn Asp Thr Val Ala

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/834,309

DATE: 04/27/2001

TIME: 12:59:19

Input Set : A:\es.txt

Output Set: N:\CRF3\04272001\I834309.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date